

CALL ME MODEM

Communications by computer

by SUZI SUBECK

In case you hadn't noticed, the realms of personal computing and communications have discovered each other, and — as a result — neither will ever be the same again. Today, with a modem, an Atari personal computer (PC), a telephone and the appropriate software, you can hook up to a giant network of free, public-access bulletin board systems (BBS's) that spans the U.S. Approximately 100 of these are Atari-specific. Each BBS brings people with common interests together by giving them the opportunity to exchange ideas, information, and public-domain software.

The rapid growth of public-domain bulletin boards for home users has taken away some of the appeal of expensive, commercial systems, such as **Compu-Serve** and **The Source**, which require users to pay an initial membership fee plus hourly charges for on-line use. These systems use massive mainframe computers to cater to business and industry. They provide their clientele with access to an extensive news and information network, which includes data such as up-to-the-minute stock market reports, sports scores and even the news reported by the daily *New York Times*.

Many Atari home computerists have subscribed to services such as Compu-Serve because they offer on-line games and access to special interest groups such as SIGATARI. Now, however, something both cheaper and friendlier can offer many of the same services. Although many Atari users purchase

modems in the first place to download the abundant free, public-domain software that is available from BBS's, they quickly discover that most boards have quite a bit more to offer.

A BBS is run on a remote machine, which is known as the "host," or the "host computer." You access the host computer via normal telephone lines (whether local Bell, long-distance AT&T or other local or long-distance services). To link your Atari to a BBS, you'll need to use a modem (MODulator-DEModulator). This device translates your computer's digital signals to sound waves that can be transmitted over the phone lines, and vice-versa. Most modems require the presence of an RS-232 (standardized serial) interface between the computer and modem. The Atari 850 Interface Module provides the RS-232 interface for Atari computers.

If your finances are tight, however, it's possible to do without the 850 by using special terminal software and connecting the modem directly to the computer through one of the joystick ports. Two such modems are the MPP-1000C from Microbits Peripheral Products, and **Volksmodem** from Anchor Automation.

Your computer needs a terminal program to activate and control the modem. AMODEM, a popular and useful terminal program, appears in this issue for your convenience. AMODEM incorporates the XMODEM protocol, which greatly simplifies file transfer between two computers. Many CP/M bul-

letin boards use the XMODEM protocol, so you'll have access to many types of previously unavailable programs. XMODEM protocol also functions as an error-checking system. It reads a program one sector at a time as it enters the buffer, and allows up to ten retries if a sector is not read properly.

BBS SPONSORSHIP

Local computer store owners or Atari users' groups sponsor most Atari bulletin board systems. These organizations provide area Atari owners with a valuable measure of user support, because a BBS is an excellent source of information and advice about using your Atari PC.

Occasionally, BBS's are run by individuals out of their homes or offices, but this is unusual due to the special demands of sponsoring such a system. After all, regardless of sponsorship, a BBS requires a certain amount of daily maintenance, and needs a "sysop," or system operator, to keep it running smoothly.

Sysops update message files, rotate uploads and downloads, and answer users' questions. In addition, most sysops try to find some time each day for on-line "chats" with willing callers.

In the same way that the terminal software operates the resident computer (the one that makes the call), BBS software operates the host (or answering) computer. In contrast to the large number of available Atari terminal pro-

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grams, there are fewer than half a dozen BBS programs from which to choose. Most Atari BBS's are run with AMIS (Atari Message and Information Service). Because AMIS software is in the public domain, sysops freely modify and upgrade it. As a result, even a newcomer to the field of Atari telecommunications will find AMIS boards to be very user-friendly. They don't use passwords, and their Command Menus are easy to use.

The typical AMIS Command Menu looks like this:

A = ASCII/ATASCII switch
 B = Bulletins
 C = Chat with Sysop
 D = Download
 E = Enter Message
 F = File Directory
 G = Good-bye
 I = Information about System
 P = Full/Half Duplex Toggle
 Q = Quick Scan of Messages
 R = Retrieve Messages
 S = Scan Messages
 U = Upload
 X = Expert Mode
 ? = Reprints this list

AMIS COMMANDS

The ASCII/ATASCII switch affects only what is seen on the screen. The "A" command toggles the board between the two modes. If the host is in ATASCII, the resident should be in ATASCII, too.

The "C" command pages the sysop, but the caller can continue to use the board even if the sysop is not available.

The "D" command allows you to receive — or download — a file.

The "F" command prints the list of files available for downloading. Always use the "F" command before the "D" command, because a BBS's download menu can change daily.

The "Q" command scrolls a list of current message titles across the screen.

The "S" command scrolls the title, date, sender and recipient of the message.

The "R" command allows you to retrieve specific messages.

The "E" command lets you post a message on the BBS. This message can be addressed to a specific person, or to

A WEALTH OF ATARI BULLETIN BOARD SYSTEMS

ST	PHONE NUMBER	NAME	PSWD	HOURS	COMMENTS
AL	205-979-0512	RACE	NO	EVENING	
CA	913-766-3634	CKPBZM	?	24 HR	TROUBLE WITH LOGON
CA	408-253-5216	GFX	NO	24 HR	EXCEPTIONAL—DO CALL
CA	408-732-1079	VANVSN	?	24 HR	
CA	408-578-2390	BAUG	YES	24 HR	
CA	619-447-8143	SDACE	NO	9PM-4AM	MON. THRU THURS. ONLY
CA	714-781-8774	AFAC	NO	24 HR	
CA	805-544-8173	SLOPOKE	NO	24 HR	NICE CLUB-RUN BOARD
CA	805-922-6630	LSMAUG	NO	6PM-10AM	
CA	818-760-8515	ELITE	YES	DAYTIME	SOFT SYNDICATE ¹
CA	818-766-3634	COMPKID	YES	24 HR	SOFT SYNDICATE
CA	916-363-3304	ACCESS	?	24 HR	KEPT HANGING UP
CO	303-758-2927	GCP	NO	24 HR	EXCEPTIONAL SYSTEM
GA	404-252-9438	RODR	NO	24 HR	NICE SYSTEM
IA	515-961-8881	MIDAMER	NO	24 HR	
IL	217-935-2000	ICTC	NO	24 HR	LOTS OF D/L ²
IL	312-544-7298	SCAT	NO	24 HR	SYSOP MOST HELPFUL
IL	312-789-0499	RCPM	YES	24 HR	210+ D/L ON DRIVE F:2
IL	312-889-1240	CLAUG	NO	24 HR	2 DBL DENSITY DRIVES
IL	312-925-2999	WZ BNG	YES	24 HR	ONE OF THE BEST
IL	312-335-1659	FDAI	NO	EVENING	
IL	312-678-1617	GLCTC	YES	24 HR	FEATURES CONTESTS ETC
IL	312-945-0377	SHWDTRS	YES	24 HR	
IN	219-738-7282	ALIEN	NO	9PM-9AM	LOTS OF D/L
IN	219-262-3980	HARICTY	NO	24 HR	
LA	504-273-3116	RBBS	NO	24 HR	LARGE SYSTEM
MA	617-266-7789	BSTBULT	NO	24 HR	GREAT RCPM ³
MA	617-444-5401	KINGCST	NO	24 HR	
MA	617-667-7388	MACROEX	NO	24 HR	1200 BAUD OPT
MA	617-595-0211	NO. SHR	NO	24 HR	1200 BAUD OPT
MD	301-974-4987	SEVPK	YES	24 HR	
MI	313-368-4828	PLGRND	NO	EVENING	
MI	313-544-0885	MACE	NO	24 HR	
MI	313-274-3940	MACEW	NO	24 HR	
MI	313-538-0197	DARTBD	NO	LATE NITE	
MI	313-978-8087	ARCADE	NO	24 HR	GOOD BBS LIST
MI	313-427-1402	CAPKIRK	YES	24 HR	ON-LINE SHOPPING
MI	313-547-7903	CPUAPAT	NO	24 HR	
MI	313-623-1089	TBBS	NO	24 HR	
MI	313-776-9792	SOFTHSE	NO	24 HR	ON-LINE SHOPPING

"ALL." In either case, once the message is posted any caller is free to read it.

The "U" command allows you to send — or upload — a file transfer.

SPECIAL FEATURES

A number of sysops have personalized their AMIS Boards to include quick sign-on features, or detailed information about available downloads. Because of this, the wise caller will read through the Command Menu the first time he or she signs on to a system.

Every Atari BBS features a message area which allows users to share information. New callers often pose questions; experienced callers respond. There are offers to sell or trade equip-

ment and software — and many good buys are there for the asking! Best of all, new friendships develop daily because of these exchanges.

Most Atari BBS's maintain a list of other bulletin boards. These can be captured to buffer and then dumped to tape, disk or a printer. Such a list can either be included with the available downloads, or can be accessed with the "O" command.

You may get a list of boards within a certain calling range, or a list that includes only Atari-specific boards. It is impractical to list all known BBS's in the U.S., because such a list would exceed your available buffer space and would inevitably be somewhat out-of-date.

ST	PHONE NUMBER	NAME	PSWD	HOURS	COMMENTS
MI	616-241-1971	GRASS	NO	24 HR	
MO	314-928-0598	AURA	NO	24 HR	
MO	816-587-9543	ANTWAR	YES	24 HR	
MO	816-252-4467	COMPSTP	YES	24 HR	
MO	816-461-7635	CARNIVAL	YES	24 HR	
NJ	201-533-9377	ATLANTS	YES	24 HR	
NY	212-927-6919	DANTINF	YES	24 HR	
NY	212-464-3434	CRYPT	YES	24 HR	DANDY-NET
NY	212-357-4112	ATARINN	YES	24 HR	DANDY-NET
NY	212-241-8965	SPIWEB	NO	24 HR	
OH	216-439-5534	NOCOAST	YES	EVENING	NICE D/L
OK	405-495-2718	UNIDGRND	YES	24 HR	SOFT SYNDICATE
OK	405-681-4024	UNONSNA	YES	24 HR	SOFT SYNDICATE
OK	405-792-5056	GREKCOM	NO	24 HR	NICE LARGE SYS
OR	503-343-4359	ACE	NO	24 HR	GREAT LARGE SYS
PA	215-333-3753	JR88S	NO	24 HR	
PA	419-754-0800	PACE	NO	24 HR	
TX	512-837-2003	ARMADLO	NO	24 HR	
TX	817-534-4346	STARWRS	YES	9PM-6PM	ADVENTURE-LIKE
TX	817-595-3195	COMPTLK	YES	24 HR	
VA	804-722-0935	PACEWRD	NO	?	
WI	414-355-6031	MILITARI	NO	24 HR	

I have not tested the following BBS's myself, but these numbers appeared on an information sheet (updated as of January 1984) from Atari User Group Support:

AK	907-456-1677	FAIRBANKS			
AR	501-646-0197	FT. SMITH			
CA	213-783-8373	ENCINO			
CO	303-758-6223	ARVADA			
DC	202-796-8342	DISTRICT OF COLUMBIA			
ME	207-839-2337	GORHAM			
NJ	901-377-4084	HIGH BRIDGE			
NJ	609-234-9240	VINCENTOWN			
NC	919-892-4949	FAYETTEVILLE			
OR	503-245-9405	PORTLAND			
PA	215-836-5116	PHILADELPHIA	SPM-8AM		
TX	817-532-2981	W. FT. WOOD	6PM-6AM		
VA	804-898-7493	HAMPTON			
WA	509-624-9636	SPOKANE	8PM-6AM		

1. Name of BBS's sponsor. 2. Down-load material. 3. Remote CP/M

GETTING INVOLVED

Whatever you want from a BBS is probably out there somewhere. Just be prepared to live through some unexpected adventures while trying to find it. Beware, though. Home telecommunications is a highly addictive hobby that often claims its victims in the wee, small hours of the morning. While the rest of the world is sound asleep, hard-core modem users are fighting it out in the Battle of the Busy Signal!

Some sysops divide the message areas of their boards into special interest groups (SIG's). One SIG may be set aside for fans of text adventures, one for those interested in current computer events — such as upcoming computer shows and user club meetings — and another for users who are looking for computer-related jobs. Atari BBS's usually offer their users the chance to help one another while helping themselves.

operate well beyond the time you read this.

Finally, here are three tips to help you bridge the communication gap:

1) Keep this list close to your modem for ready reference, along with future updates that will appear in **Antic**.

2) Remember that evening hours are prime time in the world of telecommunications. Call during the day if at all possible.

3) Use a long-distance network such as Sprint or MCI if you plan to make a large number of long-distance calls. Otherwise, your enormous phone bills will lead you to wonder why you ever looked at a modem.

MORE TO COME

This is the first in a regular series on home telecommunications and the Atari PC's. In coming months, I'll explore additional aspects of free, public-domain BBS systems; tell you about "specialty" boards that feature on-line games, multiple job listings, X-rated jokes, and matchmaking questionnaires; keep you up-to-date on new hardware and software products; and explain how to use message areas more effectively, download without XMODEM, operate CP/M boards and more.

Sysops can help **Antic** keep its list of BBS's up-to-date by sending information about their systems to me, Suzy Subbeck, c/o **Antic Magazine**, 524 Second Street, San Francisco, CA 94107. We'll do our best to keep the list as timely and accurate as possible.

Suzy Subbeck was convinced by her husband Stan and two children — Lisa, 12, and Scott, 11 — to get seriously involved in Atari computing and telecommunications. As a result, she's been editing a newsletter for Computer Squad, an Atari computer users' group in the southern suburbs of Chicago, since last September. In addition, she started her own BBS in March of this year. This is the first series of articles on Atari telecommunications. Other articles in the series will appear in our new Communications Department in upcoming issues.

